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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages] **27**
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets **25**]
- Oath or Declaration [Total Pages **1**]
- Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

Attorney Docket No. **28420.00**First Inventor **HILLIARD**Title **Vehicle Speed Estimation Using Inductive...**Express Mail Label No. **EL 988032019 US****ADDRESS TO:**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - CD-ROM or CD-R (2 copies); or
 - paper
 - Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
- English Translation Document (*if applicable*)
- Information Disclosure
- Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other: Inventor's Power of Attorney; Check \$415

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____ / _____

Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number	22465	or	Correspondence address below
Name	J. Kenneth Hoffmeister		
Address	Pitts & Brittan, P.C. P.O. Box 51295		
City	Knoxville	State	TN
Country	United States	Telephone	865-584-0105
Name (Print/Type)	J. Kenneth Hoffmeister	Registration No. (Attorney/Agent)	43,675
Signature			Date

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

0394545-910
10/664319

09/17/03

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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

415

Complete if Known

Application Number	
Filing Date	9/17/2003
First Named Inventor	HILLIARD
Examiner Name	
Group Art Unit	
Attorney Docket No.	28420.00

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None Deposit Account:

Deposit Account Number	16-1910	28420.00
Deposit Account Name	Pitts & Brittian, P.C.	

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee, to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001	750	2001 Utility filing fee	375
1002	330	2002 Design filing fee	
1003	520	2003 Plant filing fee	
1004	750	2004 Reissue filing fee	
1005	160	2005 Provisional filing fee	

SUBTOTAL(1) (\$)

375

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims below	Fee from below	Fee Paid
8	-20** =	0	X 9	= 0	
2	3** =	0	X 42	= 0	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202	18	2202 9 Claims in excess of 20 independent claims in excess of 3
1201	84	2201 42 Multiple dependent claim, if not paid
1203	280	2203 140 ** Reissue independent claims over original patent
1204	84	2204 42 ** Reissue claims in excess of 20 and over original patent
1205	18	2205 9

SUBTOTAL (2) (\$)

0

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920	1804 920 Requesting publication of SIR prior to Examiner action	
1805	1,840	1805 1,840 Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	410	2252 205 Extension for reply within second month	
1253	930	2253 465 Extension for reply within third month	
1254	1,450	2254 725 Extension for reply within fourth month	
1255	1,970	2255 985 Extension for reply within fifth month	
1401	320	2401 160 Notice of Appeal	
1402	320	2402 160 Filing a brief in support of an appeal	
1403	280	2403 140 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,300	2453 650 Petition to revive - unintentional	
1501	1,300	2501 650 Utility issue fee (or reissue)	
1502	470	2502 235 Design issue fee	
1503	630	2503 315 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	40
1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801 375 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	
		Other fee (specify)	

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

40

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	J. Kenneth Hoffmeister	Registration No. (Attorney/Agent)	43,675	Telephone	(865)584-0105
Signature		Date	09-17-2003		

WARNING: Information in this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Filing Date: 09/17/2003

Applicant: Steven R. HILLIARD

Title: Vehicle Speed Estimation Using Inductive Vehicle Detection
Systems

Docket Number: 28420.00

Machine Format: IBM-PC

OS Compatability: MS-DOS & MS-Windows

TRANSMITTAL OF COMPACT DISCS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

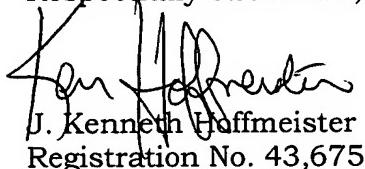
The compact disc enclosed herewith is an appendix to the above-referenced patent application. As required by 37 C.F.R. § 1.52(e), the compact disc is submitted in duplicate. This compact disc is identical to the other compact disc submitted herewith. The compact disc contains the files identified below.

LIST OF FILES

Name	Locati n	Siz (Byt s)	Cr ati n Date
DiagLogger.cpp	\	2,267	Tue Sep 16 17:04:40 2003
DiagLogger.h	\	503	Tue Sep 16 17:04:40 2003
ISTSync.h	\	4,556	Tue Sep 16 17:04:40 2003
ISTThread.cpp	\	1,240	Tue Sep 16 17:04:40 2003
ISTThread.h	\	519	Tue Sep 16 17:04:40 2003
DAQFile.cpp	\	3,249	Tue Sep 16 17:04:40 2003
DAQFile.h	\	2,817	Tue Sep 16 17:04:40 2003
DiagDAQ.cpp	\	13,313	Tue Sep 16 17:04:40 2003
DiagDetect.cpp	\	3,579	Tue Sep 16 17:04:40 2003
DiagDetect.h	\	561	Tue Sep 16 17:04:40 2003

Please charge any additional fees associated with this communication, or credit any overpayment, to Deposit Account No. 16-1910.

Respectfully submitted,



J. Kenneth Hoffmeister
Registration No. 43,675

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Knoxville, Tennessee 37950-1295
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